Date: Tue, 13 Apr 93 04:30:12 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #455
To: Info-Hams

Info-Hams Digest Tue, 13 Apr 93 Volume 93 : Issue 455

Today's Topics:

Daily Solar Geophysical Data Broadcast for 12 April
Doppler Equipment (was: want jammer in slammer)
European-size envelopes
NASA SELECT rebroadcast frequency list (Summary)
QSL help!
Radio Shack HTX-202 Help needed.
Two-Line Orbital Element Set: Space Shuttle

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 13 Apr 93 05:24:11 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 12 April
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 102, 04/12/93
10.7 FLUX=103.2 90-AVG=132 SSN=056 BKI=4431 1022 BAI=011
BGND-XRAY=B3.3 FLU1=1.6E+05 FLU10=1.0E+04 PKI=4532 2222 PAI=014
BOU-DEV=054,060,023,009,008,004,013,013 DEV-AVG=023 NT SWF=00:000
XRAY-MAX= C1.4 @ 0327UT XRAY-MIN= B2.8 @ 2241UT XRAY-AVG= B4.4
NEUTN-MAX= +002% @ 2355UT NEUTN-MIN= -002% @ 1635UT NEUTN-AVG= +0.2%
PCA-MAX= +0.1DB @ 2145UT PCA-MIN= -0.4DB @ 2320UT PCA-AVG= -0.0DB
BOUTF-MAX=55415NT @ 0103UT BOUTF-MIN=55374NT @ 1902UT BOUTF-AVG=55396NT
GOES7-MAX=P:+137NT@ 2100UT GOES7-MIN=N:-021NT@ 0733UT G7-AVG=+084,+053,+010
GOES6-MAX=P:+140NT@ 1740UT GOES6-MIN=N:-152NT@ 0354UT G6-AVG=+099,-012,-063
FLUXFCST=STD:100,095,090;SESC:100,095,090 BAI/PAI-FCST=010,010,010/015,010,010

```
    KFCST=2225 4221 2225 4221  27DAY-AP=028,019   27DAY-KP=5454 3453 3344 3334
 WARNINGS=
   ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 11 APR 93 was  62.0.
      The Full Kp Indices for 11 APR 93 are: 3- 3o 2- 1-   2+ 2+ 2+ 2+

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Date: 13 Apr 93 09:08:21 GMT
From: pipex!uknet!uknet!edcastle!spider!raft.spider.co.uk!jmorris@uunet.uu.net
Subject: Doppler Equipment (was: want jammer in slammer)
To: info-hams@ucsd.edu

In article <weaverb.734556093@spot.Colorado.EDU> weaverb@spot.Colorado.EDU (Brian
Weaver) writes:
>kd1hz@anomaly.sbs.com (Michael P. Deignan) writes:
>
>>Speaking of wanting jammers in the slammer, we have several in this area
>>I would like to catch. Can anyone recommend some decent Doppler direction
>>finding equipment?
>
>  Commerical doppler units run about $800.00-$1000.00. We build
>one for about $100.00 but is was so much of a pain in the a** to
>get it working that I would probably never build another one. You
>should be able to track the jammers down with nothing more than
>a yagi if they are on the air that much.
>
Or even a simple dipole. A group of us did this some time ago, ultimately
catching an "accidental jammer" - a much respected local ham who was actually
building the about-to-be local repeater at the time and had by pure accident
left an open mike and real antenna on it while soak testing...but that's
another story...

For two metres, take a length of bamboo or similar and make a dipole by
taping a couple of 19 inch lengths of wire to it. Make the bamboo about a foot
longer than the total dipole length and you have a handy handle.

At the center point of the wire dipole put
a balun if you want to be fancy, or just be cheap and nasty and attach the
coax direct. Useless for transmitting, but the dipole's end-on null is sharp,
and will give you a better bearing than peaking up on a yagi (assuming the
signal is reasonably strong). Take a few cross bearings and you should be
able to locate within a few hundred yards quite quickly. Then home in.

It helps if you know in advance what the rough area is - just get together
with your neighbours who have beams at their fixed stations and plot
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lines on a map...

Good hunting - amateur radio is a delightfully diverse hobby, and I can respect devotees of all of its many aspects, except those sad souls whose only pleasure appears to be in spoiling it for the rest. If you can, without laying yourself open to slander, let us know how it turned out.

73, John.

--
John Morris != Spider Systems   jmorris@spider.co.uk   GM4ANB@GB7EDN.#77.GBR.EU

Date: Tue, 13 Apr 93 07:00:12 GMT
From: usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!ira.uka.de!news.dfn.de!hpux.rz.uni-jena.de!th-ilmenau.RZ.TH-Ilmenau.DE!systemtechnik.tu-ilmenau.de!tom@network.UCSD.EDU
Subject: European-size envelopes
To: info-hams@ucsd.edu

In article <gtaylor.132.0@taex003n.tamu.edu>, gtaylor@taex003n.tamu.edu (Gregory S. Taylor) writes:
|> In article <9304121718.AA10370@netmail.microsoft.com> mikemr@microsoft.COM (Michael Mraz) writes:
|> >From: mikemr@microsoft.COM (Michael Mraz)
|> >Subject: European-size envelopes
|> >Date: 12 Apr 93 17:14:16 GMT
|> >I've seen several references recently to "standard European size envelopes"
|> >(for QSL returns) but no one has posted what the "standard size" is. Does
|> >anyone have the dimensions? thanks
|> >
|> >N6MZ   mikemr@microsoft.com
|>
|> The ones I have measure 19x14mm and for the SASE 12x16.5
|>
|> 73's Greg
|>
|>
|> Greg Taylor, KD4HZ // g-taylor4@tamu.edu // 409-845-4445 // Fax-847-8744
|>
Yes, and please note:
Since April 1st, the price of letter, by ship, not air mail, to USA has been increased from 1.40DM to 2.00 DM in Germany. Thats important for all who enclose stamps or money into SASE.
--
+---+
| Thomas Planke   Planke@Systemtechnik.TU-Ilmenau.DE |

```
| - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -|
| Technical University Ilmenau                  Phone: +49 3677/69-1465      |
| Dept. of Automation and Systems Engineering   Fax:   +49 3677/69-1446
          |
| PF 327,Am Ehrenberg,D-O6300 Ilmenau,Germany                                  |
| - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -|
|                                        (PacketRadio: DL5ATP@DB0RSV.DEU.EURO)|
+-----------------------------------------------------------------------------+
```

Date: Tue, 13 Apr 1993 04:22:55 GMT
From: sdd.hp.com!ux1.cso.uiuc.edu!news.cso.uiuc.edu!uxa.cso.uiuc.edu!
jtg0707@network.UCSD.EDU
Subject: NASA SELECT rebroadcast frequency list (Summary)
To: info-hams@ucsd.edu

AMSAT OSCAR		145.945	-	
		145.955	-	
Birmingham,	AL	145.380	-	
		145.150	-	
Huntsville,	AL	145.100	-	
		147.100	-	
Phoenix,	AZ	-	448.975	
		-	449.000	
Tucson,	AZ	-	448.625	
Los Angeles,	CA	145.320	445.400	
		145.460	445.425	
		224.040	-	
		224.940	446.575	
		-	447.000	
		-	447.025	
		-	447.400	
		-	447.475	
		-	448.375	
		-	448.500	
		-	448.650	
		-	449.000	
Monterey,	CA	-	443.300	
Mtn View,	CA	145.585	-	fariss@kronos.arc.nasa.gov
Pasadena,	CA	224.040	-	
Sacramento,	CA	147.195	-	
San Diego,	CA	146.640	443.400	
		-	449.450	
		-	448.625	
			448.675	
San Francisco,	CA	145.580	444.775	
San Jose,	CA	-	443.550	

Santa Barbara,	CA	-	449.000	
Ventura/Oxnard,	CA	146.655	-	
Connecticut,	CN	-	448.425	
Washington,	DC	147.450	-	
Cape Canaveral,	FL	146.940	-	
Jasksonville,	FL	147.120	-	
Vero Beach,	FL	145.130	-	
Atlanta,	GA	146.655	-	
		147.345	-	
Ashburn,	GA	147.285	-	
Forsyth,	GA	147.915	-	
Champaign,	IL	146.880	-	jtg0707@uxa.cso.uiuc.edu
Chicago,	IL	145.210	-	
Downers Grove,	IL	145.350	-	
Cedar Rapids,	IA	146.400	444.300	
York,	ME	224.840	-	
Portland,	ME	146.925	-	
Mpls/St.Paul	MN	145.150	-	penson@geom.umn.edu
		147.120	-	
		149.200	-	
Waseca,	MN	147.450	427.250	
Central Jersey,	NJ	-	443.400	
Southern NM,	NM	-	448.625	
		-	448.650	
		-	448.675	
		-	448.975	
		-	449.000	
Las Vegas,	NV	-	449.000	
Albany,	NY	146.820	-	
Akron,	OH	147.330	-	macy@fmsystm.ncoast.org
Cleveland,	OH	147.195	-	macy@fmsystm.ncoast.org
Dayton,	OH	145.110	-	
Greenville,	OH	416.790	-	
Kitchener,	Ont.	146.865	445.760	jtrimble@undergrad.math.uwaterloo.ca
Dallas,	TX	146.600	448.750	
El Paso,	TX	-	448.650	
Ft. Worth,	TX	145.310	448.750	
Houston,	TX	146.640	-	
		171.150	-	
Wausau,	WI	146.820	-	
		147.060	-	
Salt Lake City,	UT	-	448.625	
Cedar City,	UT	-	448.650	

Thanks for all the replies.
The list above is what I have after one day of digging. Some of the

frequencies came by email, and some from local sources.
I have also receive some informations on the video retransmissions and SSB/HF retransmissions. I've decided not to include them at this time due to time constraints and concentrated mainly on 2m and 70cm bands. There are some non-amateur band frequencies that I've decided to include as part of the list; you may find them useful if your HT can receive them.

If you are interested in HF/SSB, there is another list available from N8QLT from compuserve. His email address is 70534,227 on compuserve.

Keep sending the frequencies and I'll keep updating the list.

jtg0707@uxa.cso.uiuc.edu
N9RRD
4/12/93

Date: Tue, 13 Apr 93 06:46:35 GMT
From: usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!ira.uka.de!news.dfn.de!hpux.rz.uni-jena.de!th-ilmenau.RZ.TH-Ilmenau.DE!systemtechnik.tu-ilmenau.de!tom@network.UCSD.EDU
Subject: QSL help!
To: info-hams@ucsd.edu

In article <1993Apr8.222535.27439@lynx.dac.northeastern.edu>, lkay@lynx.dac.northeastern.edu (leonard kay) writes:
|> Can anyone help me with an updated QTH for
|>
|>   OE3DSA (via OE1DSA)
|>
|> I worked him in '92 CQWW CW, QSLed direct,
|> and it was returned marked 'moved'. However,
|> the '93 DX book shows him at same address.
|>
|> I can wait for the 93 supplement I guess, but
|> does anyone have a QTH? I need OE on 80 and 10.
|>
|> 73 Tnx,
|>
|> Len
|>
OE bureau works well.

--
+---+
| Thomas Planke   Planke@Systemtechnik.TU-Ilmenau.DE |
| -|

| Technical University Ilmenau   Phone: +49 3677/69-1465 |
| Dept. of Automation and Systems Engineering   Fax: +49 3677/69-1446
         |
| PF 327,Am Ehrenberg,D-O6300 Ilmenau,Germany |
| -|
| (PacketRadio: DL5ATP@DB0RSV.DEU.EURO)|
+--+

Date: Mon, 12 Apr 93 19:40:32 PST
From: pacbell.com!pacbell!sactoh0!beagle!chandler@network.UCSD.EDU
Subject: Radio Shack HTX-202 Help needed.
To: info-hams@ucsd.edu

noah@acsu.buffalo.edu (Philip D. Noah) writes:

> Hello all I hope someone out in net-land can help me out. I just bought
> a slightly used Htx-202 radio and I need the book for it. Is someone
> willing to xerox one and send it to me ? Please ? I can't seem to figure
> this thing out. I'm able to set channel one but that's it. I need to
> know how to: set all the channels and how to get it to scan the channels.
> Thanks in advance for the help.
>

Try going to Radio Shack and ordering one. The manual usually has a part number and they can get one. Thats what I had to do when I lost the manual to my 2006. Good luck.

Jim Chandler, N0VAH (formerly KD6IRV)
jwc@sactoh0.sac.ca.us
sactoh0!beagle!chandler

Date: Tue, 13 Apr 1993 04:32:26 GMT
From: swrinde!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!cis.ohio-state.edu!udecc.engr.udayton.edu!blackbird.afit.af.mil!tkelso@network.UCSD.EDU
Subject: Two-Line Orbital Element Set: Space Shuttle
To: info-hams@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are carried on the Celestial BBS, (513) 427-0674, and are updated daily (when possible). Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using

8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation
and software are also available via anonymous ftp from archive.afit.af.mil
(129.92.1.66) in the directory pub/space.

STS 56
1 22621U 93 23 A 93100.58333332 .00060906 00000-0 17653-3 0   103
2 22621 57.0037 168.0276 0004614 270.7909 289.6873 15.92482227   371
--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@afit.af.mil   Air Force Institute of Technology

Date: 13 Apr 93 06:29:48 GMT
From: amdahl!amdahl!uts.amdahl.com@uunet.uu.net
To: info-hams@ucsd.edu

References <fvl5_sn@rpi.edu>, <1993Apr11.214831.11089@cbnewsm.cb.att.com>,
<1993Apr12.220523.27318@TorreyPinesCA.ncr.com>
Subject : Re: Shuttle Audio broadcast? [semi-answer from the FAQ]

kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:
>>>|> >Is the Shuttle audio being broadcast in the San Diego area? Does
>>>|> >anyone know what frequency?
>>>|> >Replies in email, please. I will post answers to sdnet distribution.
[...several answers from East Coast...]
>Sheeeeeesh! I live in San Diego and I still haven't gotten the
>original post :-(

I usually don't re-post portions of the FAQ, but when the Shuttle is up I
guess we have reason to make an exception. None of the items submitted to
us for the FAQ are in VHF range from San Diego (unless the ducting turns on
strong enough to receive Los Angeles) but the HF frequencies may give you an
option you didn't have before.

If anyone has additional information to for this table, please send it to
     hamradio-faq@amdahl.com
Please provide the same level of detail as the table so we can add it to the
FAQ with minimal extra research. Thanks!

     --- Ian KD6EUI
     one of your friendly FAQ maintainers

--excerpt from rec.radio.amateur.misc FAQ Part 3------------------------------
** On what frequencies do JPL and GSFC retransmit the shuttle audio?

Station	VHF	10m	15m	20m	40m	80m	Video
WA3NAN	147.45	28.650	21.395	14.295	7.185	3.860	
W6VIO	224.04		21.280	14.282	7.165		
K6MF	145.585				7.165	3.840	
W5RRR	146.64	28.495	21.350	14.280	7.227	3.850	
W6FXN	145.46						
KA9SZX	146.88						426.25
K4GCC	146.94						
WA4VME	145.17						

All frequencies are in MHz. Use FM on VHF, USB on 10-20m, LSB on 40-80m.

WA3NAN - NASA Goddard Space Flight Center (GSFC), Greenbelt, MD
W6VIO - NASA Jet Propulsion Laboratory (JPL), Pasadena, CA
K6MF - NASA Ames Research Center (ARC), Moffett Field, CA
W5RRR - NASA Johnson Space Center, Houston, TX
W6FXN - Los Angeles, CA
KA9SZX - Champaign-Urbana, IL
K4GCC - Titusville, FL (near or at Kennedy Space Center)
WA4VME - Melbourne, FL (near or at Kennedy Space Center)

--end excerpt from rec.radio.amateur.misc FAQ Part 3--------------------------
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Ian Kluft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development
ikluft@uts.amdahl.com Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

End of Info-Hams Digest V93 #455
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